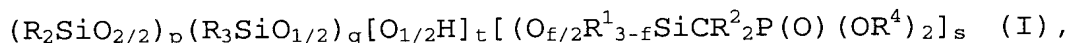


Claims

1. A method for the production of phosphonic ester-modified organosiloxanes of the general formula

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in which

R is a hydrogen atom or a monovalent, optionally
 10 -CN-, -NCO-, NR^5_2 -, -COOH-, -COOR⁵-, -halogen-,
 -acryloyl-, -epoxy-, -SH-, -OH- or -CONR⁵₂-
 substituted Si-C-bonded C₁-C₂₀ hydrocarbon radical
 or C₁-C₁₅ hydrocarbonoxy radical in which one or
 more nonadjacent methylene units in each case may
 15 be replaced by groups -O-, -CO-, -COO-, -OCO- or
 -OCOO-, -S- or -NR⁵- and in which one or more
 nonadjacent methine units may be replaced by
 groups, -N=, -N=N- or -P=,

R¹ is a hydrogen atom or a monovalent, optionally
 20 -CN-, -NCO-, -COOH-, -COOR⁵-, -halogen-,
 -acryloyl-, -SH-, -OH- or -CONR⁵₂- substituted Si-
 C-bonded C₁-C₂₀ hydrocarbon radical or C₁-C₁₅
 hydrocarbonoxy radical in which one or more
 nonadjacent methylene units in each case may be
 25 replaced by groups -O-, -CO-, -COO-, -OCO-, or
 -OCOO-, -S-, or -NR⁵- and in which one or more
 nonadjacent methine units may be replaced by
 groups, -N=, -N=N- or -P=,

R² is hydrogen or an optionally -CN- or halogen-
 30 substituted C₁-C₂₀ hydrocarbon radical,

R⁴ is hydrogen or an optionally -CN- or halogen-
 substituted C₁-C₂₀ hydrocarbon radical or
 substituted or unsubstituted polyalkylene oxides
 having 1 to 4000 carbon atoms,

35 **R⁵** is hydrogen or an optionally -CN- or halogen-
 substituted C₁-C₁₀ hydrocarbon radical,

p is 0 or an integer of from 1 to 100 000,

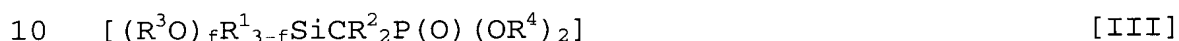
q is 0 or an integer of from 1 to 100 000,

f is the number 1 or 2 or 3,
s is an integer which is at least 1 and
t is 0 or an integer which is at least 1,
p+q being an integer which is at least 1,

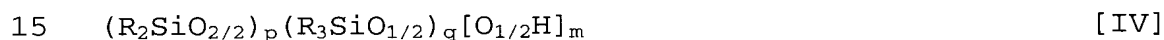
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characterized in that

at least one silane of the formula



is reacted with at least one silicon compound of the
general formula



where

R³ is hydrogen or an optionally -CN- or halogen-atom-
substituted C₁-C₂₀ hydrocarbon radical, and

20 **m** is an integer 1 or 2,

R, **R¹**, **R²**, **R⁴**, **p**, **q**, **f** and **s** have the above definitions.

25 2. The method of claim 1, characterized in that the
sum **p + q** is an integer which is at least 2.

3. The method of claim 1 or 2, characterized in that
it is carried out in the presence of catalyst.

30 4. The method of one or more of claims 1 to 3,
characterized in that it is carried out at
temperatures of 0 to 200°C.

35 5. The method of one or more of claims 1 to 4,
characterized in that it is carried out in an
inert gas atmosphere.